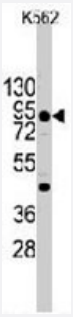
CDH3 polyclonal antibody

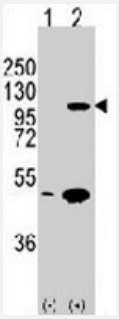
Catalog # PAB3539 Size 400 uL

Applications



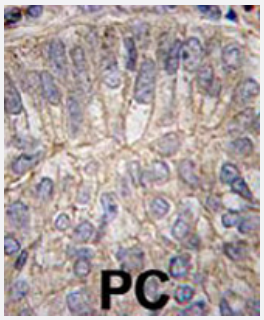
Western Blot (Cell lysate)

Western blot analysis of CDH3 (arrow) using rabbit CDH3 polyclonal antibody (Cat # PAB3539) in K-562 cell line lysates (35 ug/lane). CDH3 (arrow) was detected using the purified polyclonal antibody (1:1000 dilution).



Western Blot (Transfected lysate)

Western blot analysis of CDH3 (arrow) using rabbit CDH3 polyclonal antibody (Cat # PAB3539). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CDH3 gene (Lane 2) (Origene Technologies). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CDH3 gene (Lane 2) (Origene Technologies).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human prostate carcinoma tissue reacted with CDH3 polyclonal antibody (Cat # PAB3539) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CDH3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human CDH3.

Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:10-50) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — CDH3

Entrez GeneID	1001
Protein Accession#	NP_001784;P22223
Gene Name	CDH3
Gene Alias	CDHP, HJMD, PCAD

Gene Description	cadherin 3, type 1, P-cadherin (placental)
Omim ID	114021 601553
Gene Ontology	Hyperlink
Gene Summary	This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium -dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a tran smembrane region and a highly conserved cytoplasmic tail. This gene is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity eve nts in breast and prostate cancer. In addition, aberrant expression of this protein is observed in ce rvical adenocarcinomas. Mutations in this gene have been associated with congential hypotrichos is with juvenile macular dystrophy. [provided by RefSeq
Other Designations	cadherin 3, type 1|calcium-dependent adhesion protein, placental

Publication Reference

- Novel CDH3 mutations in hypotrichosis with juvenile macular dystrophy.

  Indelman M, Eason J, Hummel M, Loza O, Suri M, Leys MJ, Bayne M, Schwartz FL, Sprecher E.

  Clinical and Experimental Dermatology 2007 Mar; 32(2):191.

- P-cadherin overexpression is an indicator of clinical outcome in invasive breast carcinomas and is associated with CDH3 promoter hypomethylation.

  Paredes J, Albergaria A, Oliveira JT, Jeronimo C, Milanezi F, Schmitt FC.

  Clinical Cancer Research 2005 Aug; 11(16):5869.

  Application: IHC-P, WB-Ti, Human, Human breast carcinomas, MCF-7 cells

Pathway

- Cell adhesion molecules (CAMs)

Disease

- Colitis
- Genetic Predisposition to Disease